A Level Computer Science Summer Work

The first item in the specification is to understand the structure and function of the processor. It will be hugely beneficial if you have a good understanding of this topic before the first lesson in September.

Task 1

Your first task is to watch the you tube playlist about this topic.

https://www.youtube.com/playlist?list=PLCiOXwirraUB7V2i0SJ4SSJFqRV_LtgzW

We suggest you watch each video at least 2 times. That would only be about 40 minutes of your time.

Once you have watched these videos it is necessary to carry out some further research on this topic and read around the concepts.

Task 2

To do that you can make use of the schools www.teach-ict.co.uk account using the details below:

Username: pl99az

Password: table

Here you can select the component parts of 1.1.1 Architecture and read the related Theory notes.

Task 3

Complete the following Theory Notes tasks:

- 3.1 – The CPU
- 3.2 – CPU Registers
- 3.3 – Fetch-Decode-Execute Cycle
- 3.4 – CPU Performance
- 3.5 – Von Neumann Architecture

Task 4

Once these tasks have been completed you should identify the key terms and create flash card resources to use in lesson and at home for revision to test your recall and understanding of these terms.

For example, you should know each and every register and the buses in the CPU.